

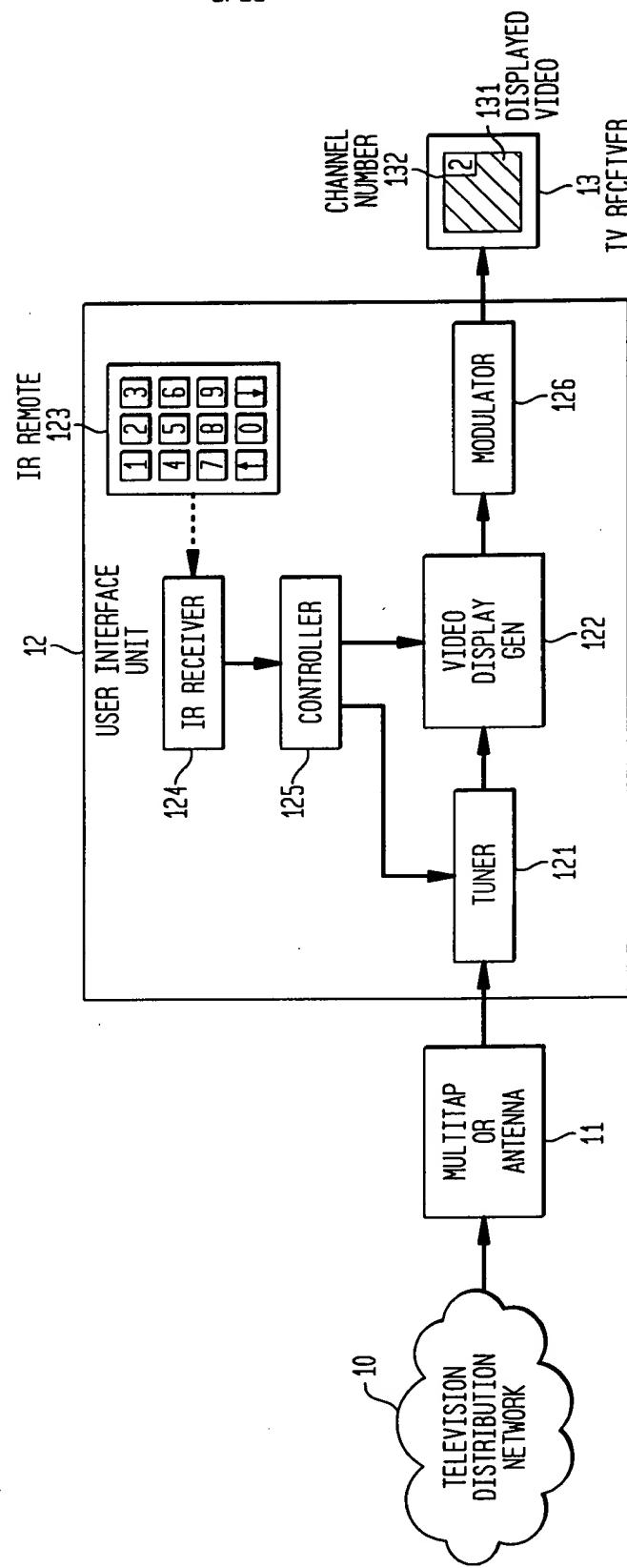
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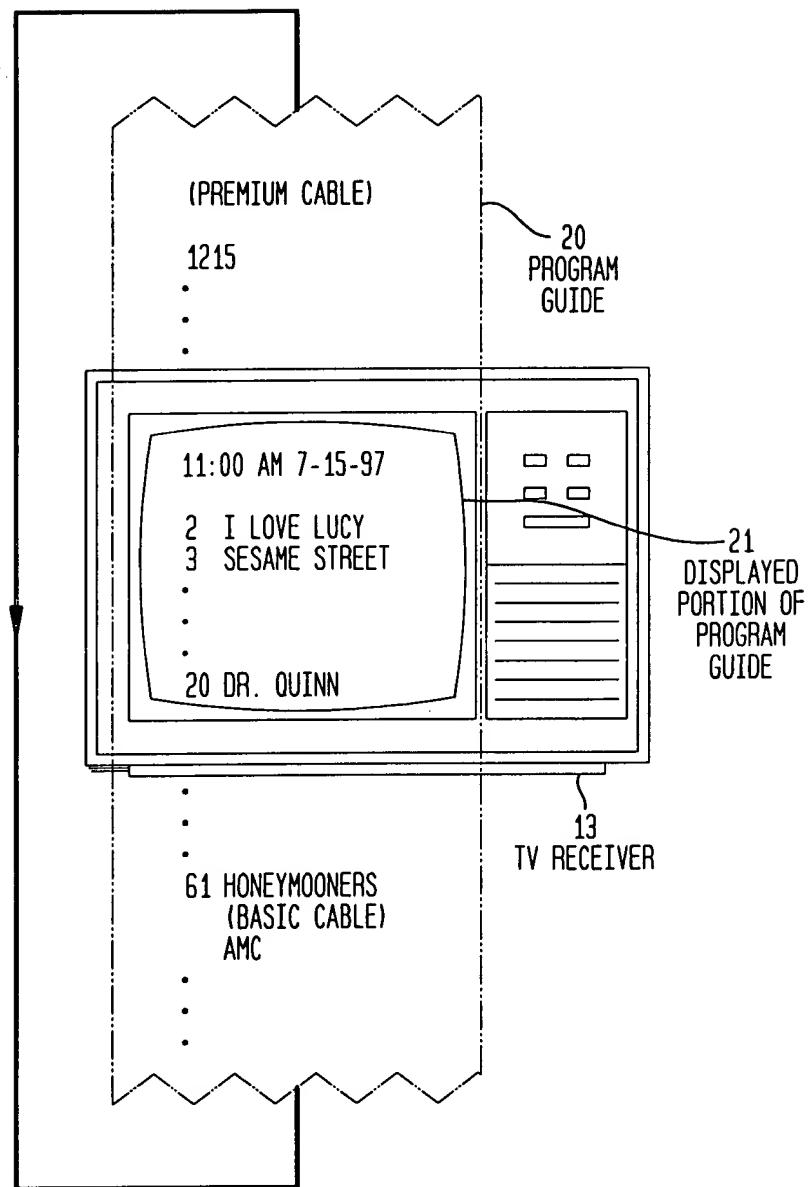
**FIG. 1**  
SYSTEM FOR SELECTING  
TELEVISION CHANNELS FOR DISPLAY  
ON A TELEVISION RECEIVES



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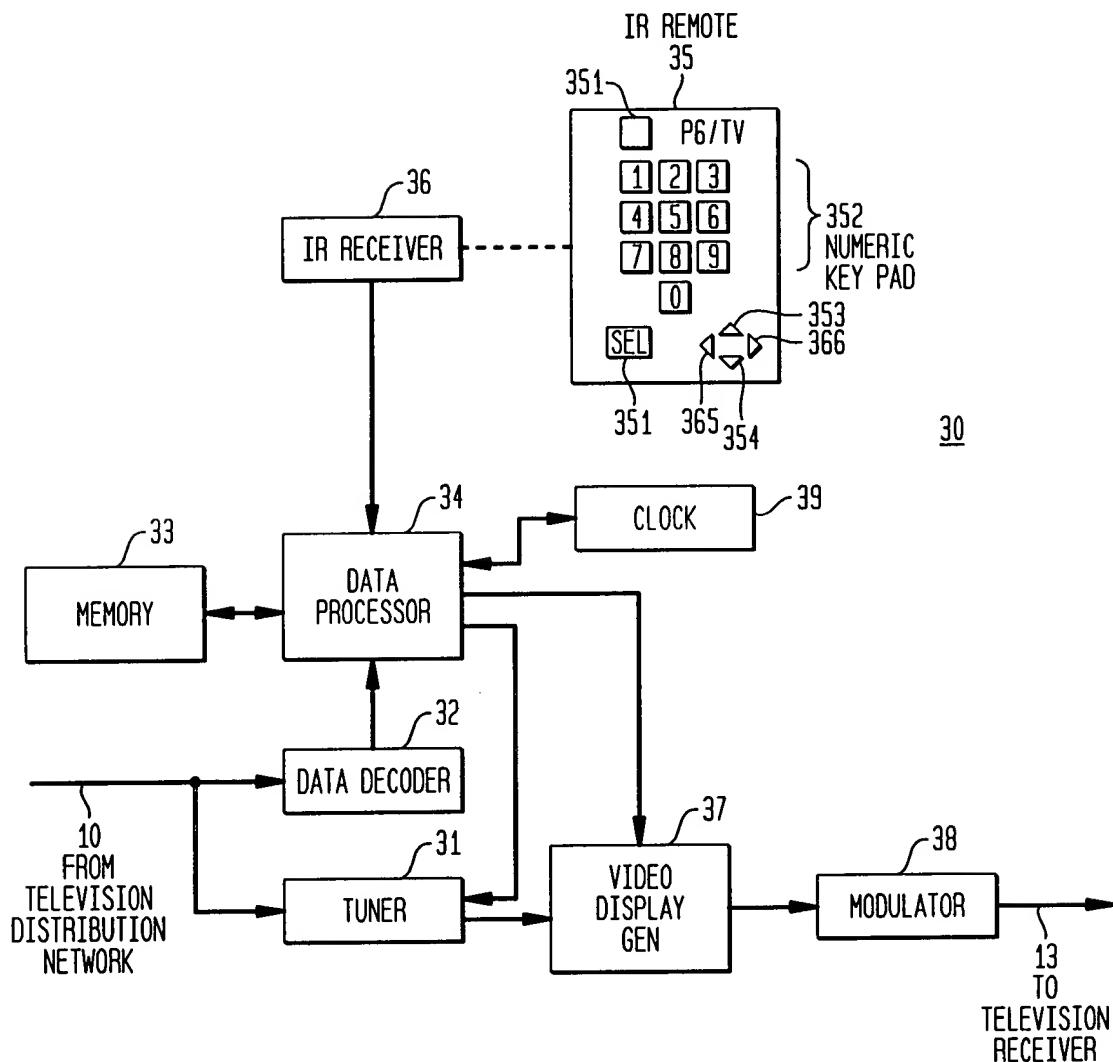
**FIG. 2**  
(PRIOR ART)

PROGRAM GUIDE CHANNEL



**FIG. 3**  
(PRIOR ART)

USER-INTERFACE UNIT FOR  
AN INTERACTIVE ELECTRONIC  
PROGRAM GUIDE SYSTEM



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**FIG. 4**  
PROGRAM GUIDE DISPLAYED  
ON A TELEVISION RECEIVER

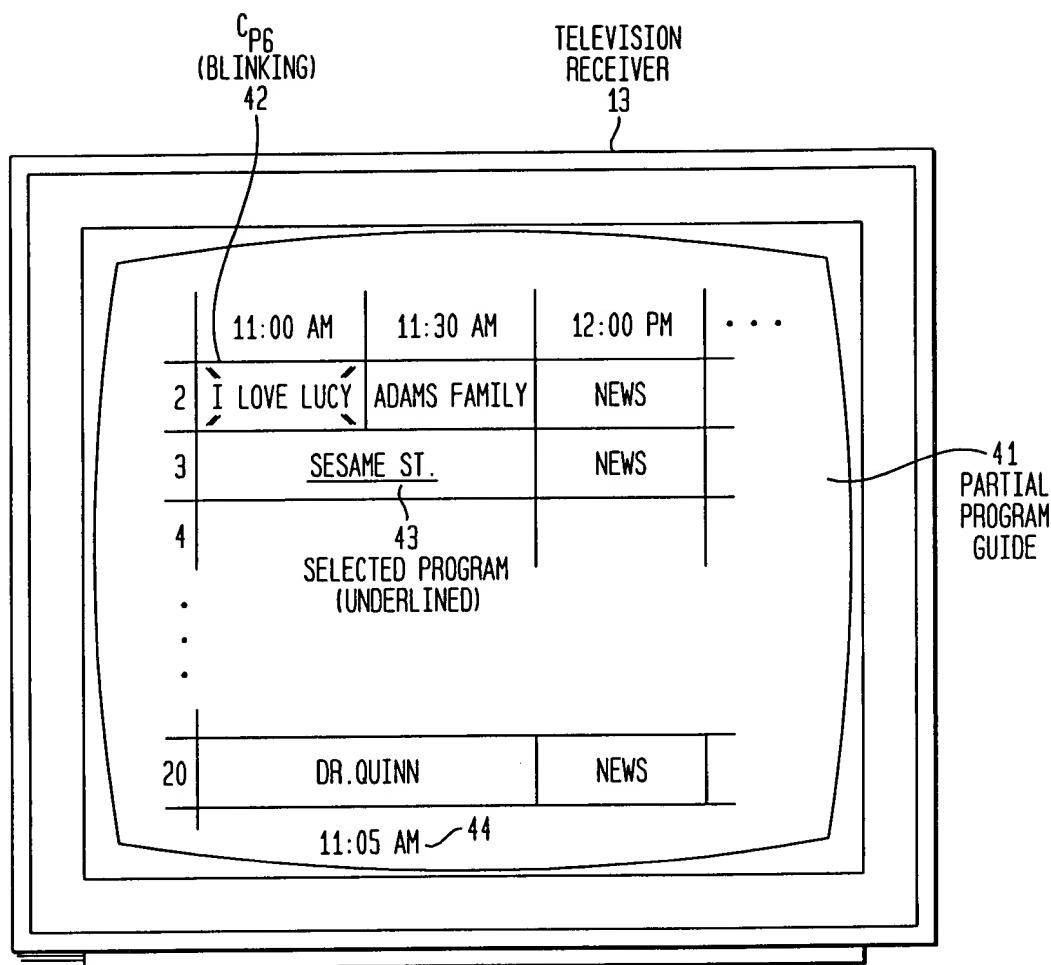
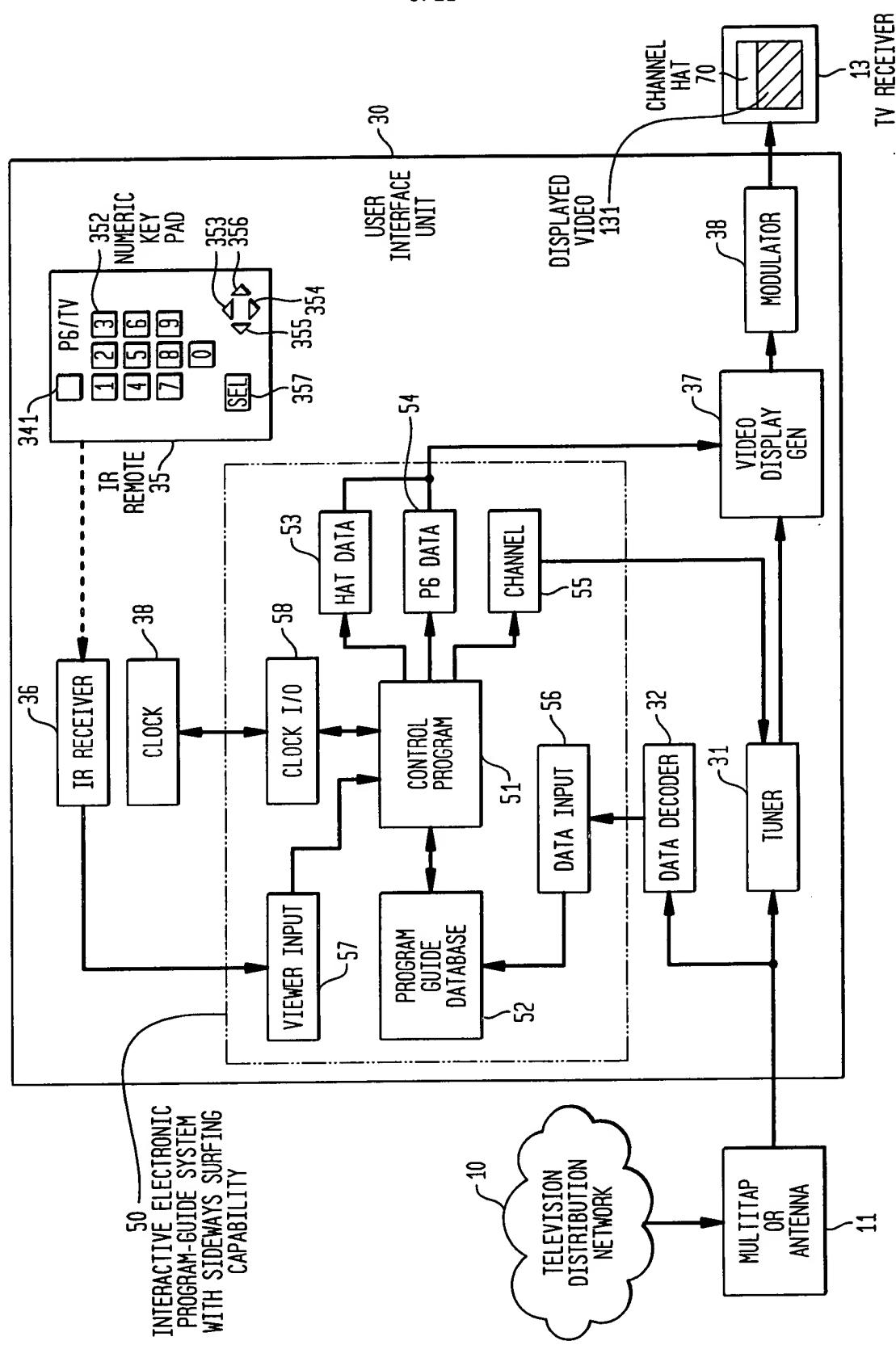
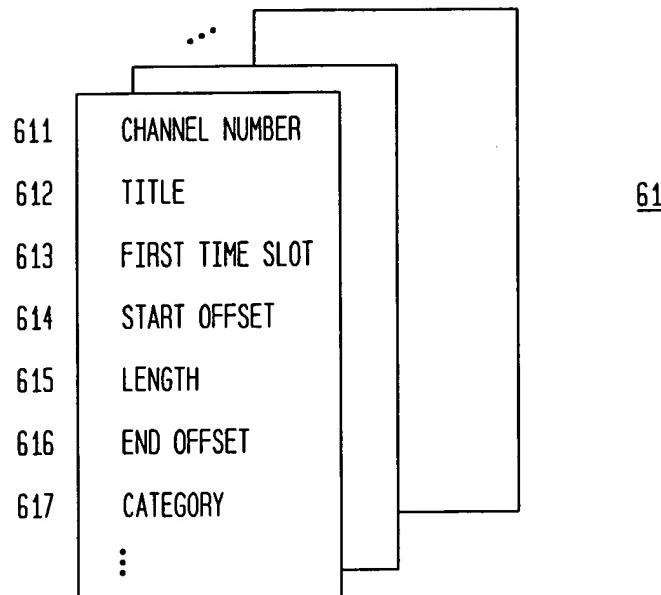


FIG. 5



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**FIG. 6A**  
PROGRAM-GUIDE DATABASE



**FIG. 6C**  
VARIABLES MAINTAINED BY  
ELECTRONIC PROGRAM GUIDE TO  
SUPPORT SIDEWAYS SURFING

The diagram shows a list of variables used for sideways surfing, enclosed in a large bracket on the left. The variables are: 63 SLE SURF LEFT ENABLE, 64 SLN SURF LEFT CHANNEL NO., 65 SRE SURF RIGHT ENABLE, 66 SRN SURF RIGHT CHANNEL NO., 67 NCN NEXT CATEGORY CHANNEL NO., and 68 PCN PREVIOUS CATEGORY CHANNEL NO.

63 SLE SURF LEFT ENABLE  
64 SLN SURF LEFT CHANNEL NO.  
65 SRE SURF RIGHT ENABLE  
66 SRN SURF RIGHT CHANNEL NO.  
67 NCN NEXT CATEGORY CHANNEL NO.  
68 PCN PREVIOUS CATEGORY CHANNEL NO.

**FIG. 6B**  
CHANNEL HAT

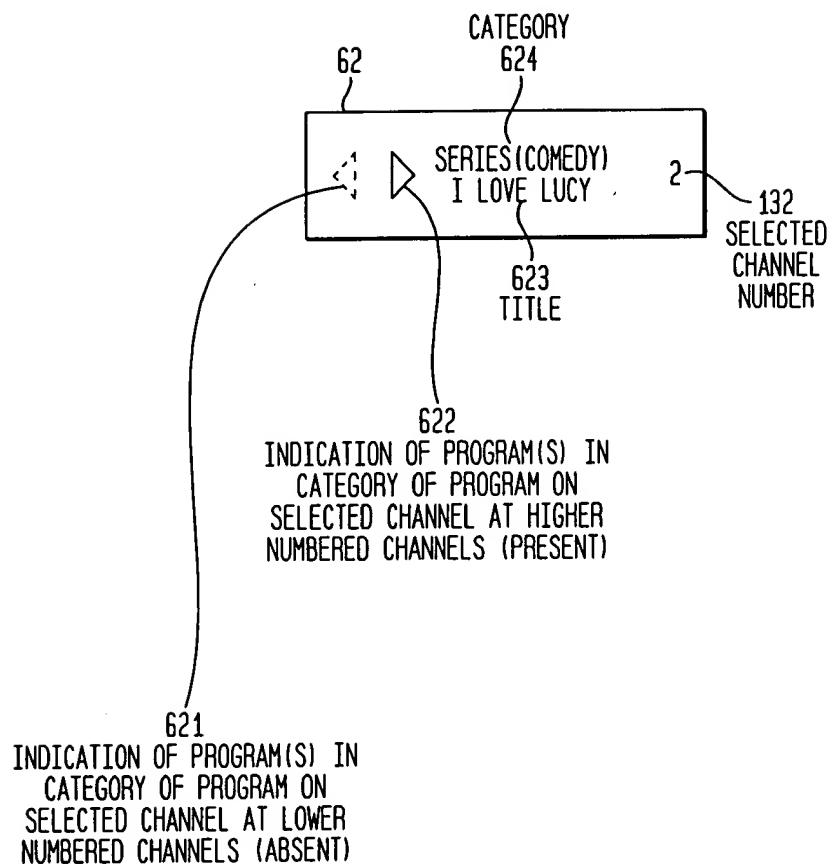
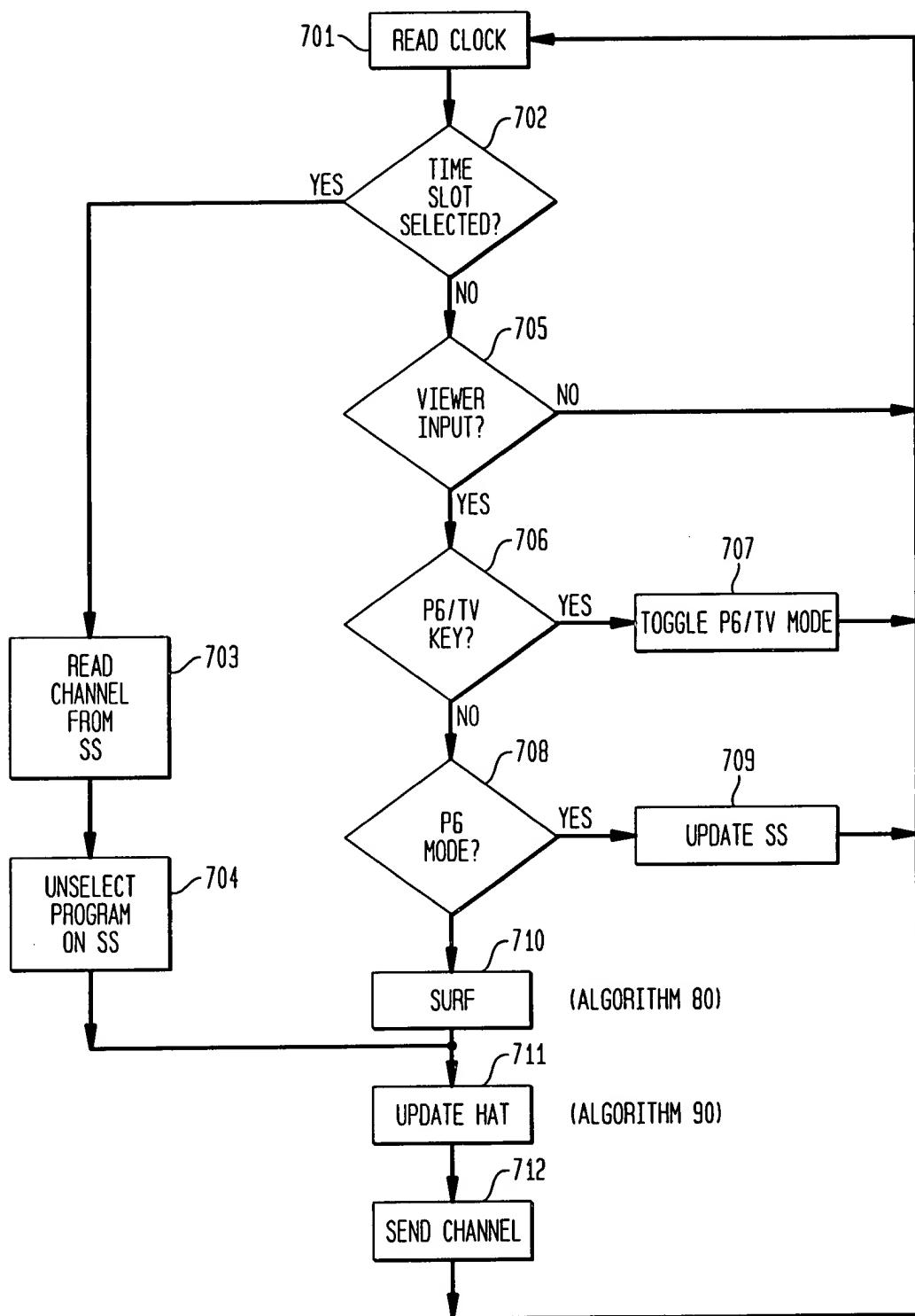
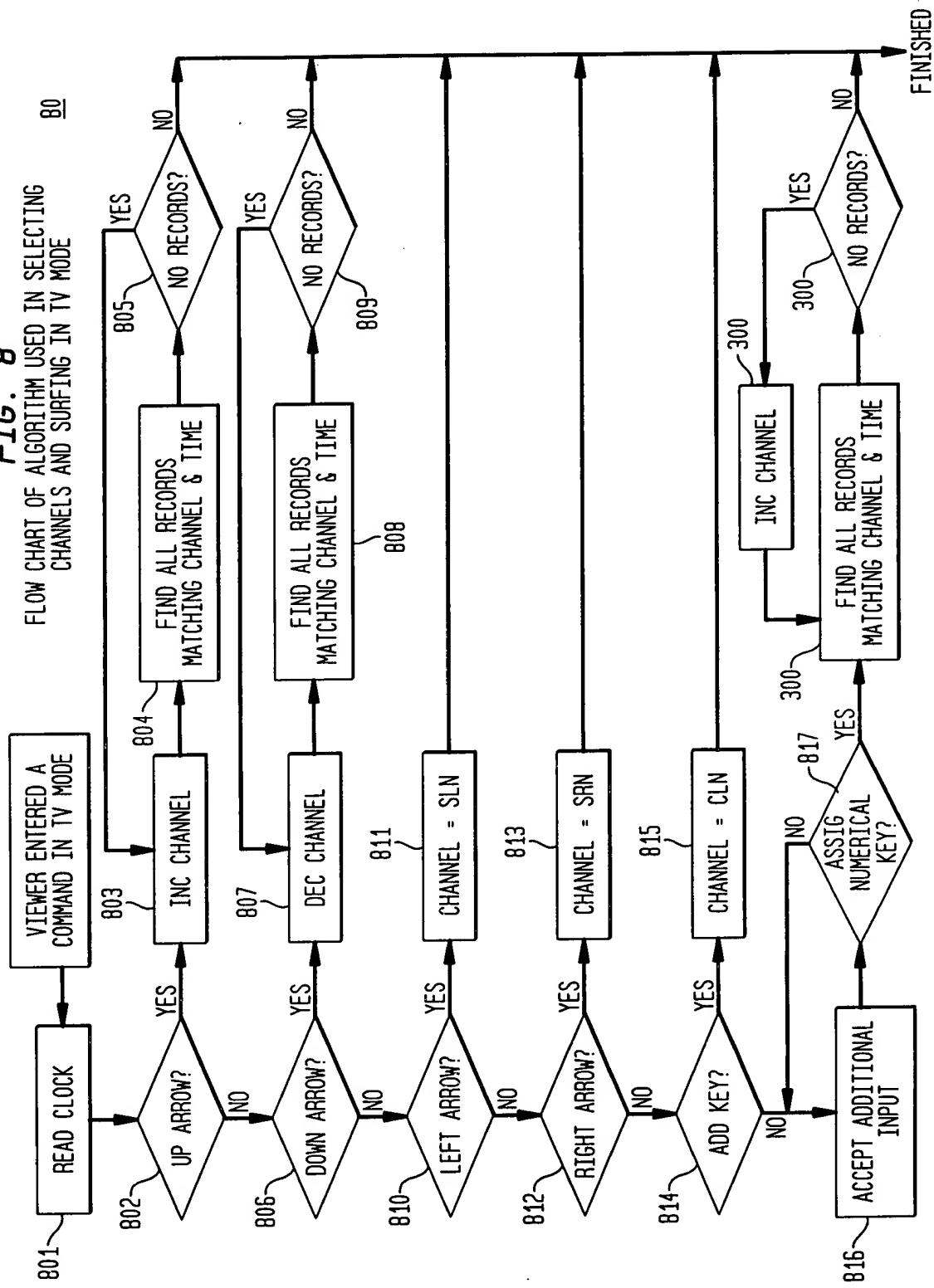


FIG. 7

700

**FIG. 8**  
FLOW CHART OF ALGORITHM USED IN SELECTING  
CHANNELS AND SURFING IN TV MODE



**FIG. 9A**  
FLOW CHART OF ALGORITHM  
UPDATE THE CHANNEL  
HAT AND CATEGORY

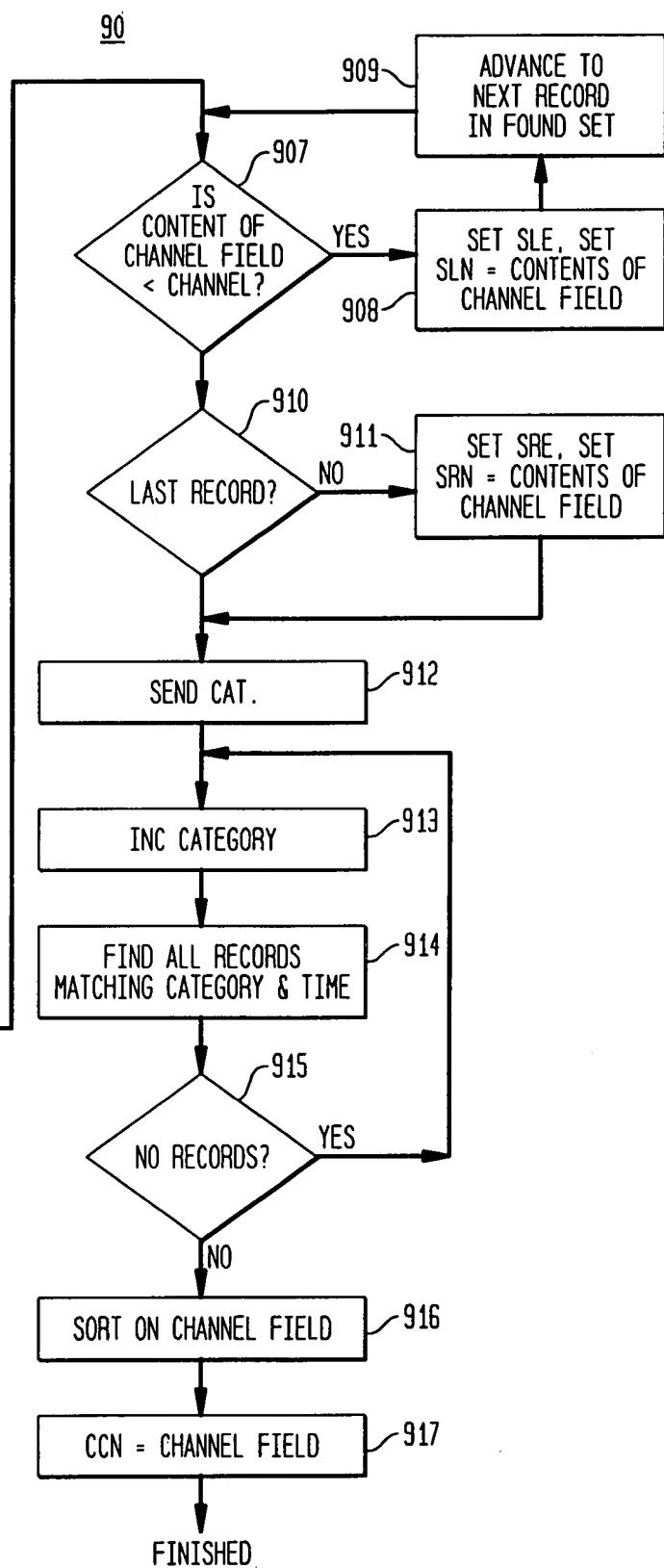
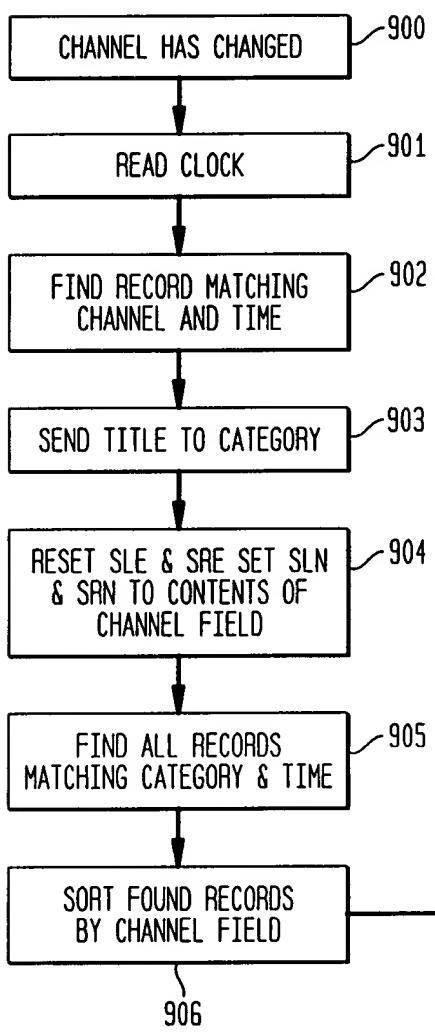


FIG. 9B

STEPS ADDED TO ALGORITHM 90 TO PREPARE FOR SURFING TO A CHANNEL CARRYING A PROGRAM IN THE PREVIOUS CATEGORY

